

Module II		
Section	Change	Explanation of Change
I.C.1	<p><u>Waste Analysis Plan</u></p> <p>The Permittees shall not manage, store, or dispose TRU mixed waste at WIPP which fails to meet the <u>waste analysis characterization</u> requirements of 20.4.1.500 NMAC (incorporating 40 CFR §264.13), <u>Section 311(a) of Pub. L. 108-137, and Section 310(a) of Pub. L. 108-447</u>, as specified by this Permit.</p>	Removal of the prohibition to “manage” TRU mixed waste is necessary to allow the Permittees to manage (i.e., screen, verify, and as necessary examine) incoming waste to determine compliance with the TSDF-WAC prior to storage and/or disposal. Also deleted the term “manage” so that WIPP will not be in violation of the HWFP should waste which doesn’t meet the TSDF-WAC be discovered through the screening, verification, and/or examination processes. Deleted “characterization” and added “waste analysis” for consistency with language in the NMAC. Included reference to Sections 311 and 310 to complete the citations of statutory/regulatory authority.
I.C.1.a.i.	<p>†The Permittees shall require that generator/storage sites implement applicable requirements of the WAP, specified in Permit Attachment B, prior to the Permittees' receipt of TRU mixed waste from a generator/storage site.</p>	This change was necessary to reformat Permit Condition II.C.1. in order to reflect additional WAP implementation requirements (i.e., Permittee implementation requirements at Permit Conditions II.C.1.a.ii. and iii.).
I.C.1.a.ii.	<p><u>The Permittees shall obtain from the generator/storage sites the Waste Stream Profile Form (WSPF) and the Waste Analysis Information Summary (WAIS) including the Acceptable Knowledge (AK) Summary Report and source documentation as necessary. Approval of the WSPF shall, in accordance with Permit Attachments B and B7, Section B7-1a, be based on a determination that the TRU mixed waste meets the Treatment, Storage, and Disposal Facility Waste Acceptance Criteria (TSDF-WAC) specified in Permit Conditions II.C.3.a. through II.C.3.h.</u></p>	This change is necessary to stipulate the waste analysis information the Permittees must obtain from the generator/storage sites and the processes by which the Permittees will independently analyze the information.
I.C.1.a.iii.	<p><u>The Permittees shall screen, verify, and examine TRU mixed waste shipments in accordance with Attachment B7, Section B7-1b, prior to storage or disposal at the WIPP.</u></p>	This change is necessary to stipulate Permittee required actions which must be performed before waste can be stored or disposed at the WIPP.

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I.C.1.b.	<p>Waste analysis, characterization, sampling and analytical methods - the Permittees shall require that generator/storage sites <u>and Permittee approved laboratories</u> comply with the <u>applicable</u> method requirements, quality control, equipment testing, inspection, maintenance, and equipment calibration and frequency standards for the procedures specified in Permit Attachment B1 (Waste <u>Analysis Characterization</u>-Sampling Methods). For all analytical methods for waste analysis not otherwise specified in Permit Attachment B1 <u>or otherwise approved by the New Mexico Environment Department (NMED) in accordance with Attachment B</u>, the Permittees shall require the generator/storage sites <u>and Permittee approved laboratories</u> to use "Test Methods for Evaluating Solid <u>Waste, Physical/Chemical Methods</u>", EPA Publication SW-846.</p>	<p>Changes are necessary to stipulate that the waste analysis information, obtained from Permittee approved laboratories, shall also comply with the applicable permit requirements in Attachment B1 or SW-846 test methods. The justification for this change is provided in Section 1.2.1 of the revised PMR.</p>
I.C.1.c.	<p>the Permittees shall require that generator/storage sites use the methods for statistically selecting retrievably stored and newly-generated TRU mixed waste containers for visual examination and volatile organic compounds (VOCs), ...</p> <p><u>and establishing upper confidence limits, and, when demonstrated appropriate, control charting for newly-generated waste stream sampling radiography</u></p>	<p>Removed requirement for statistical selection of containers for visual examination because the generator/storage sites are no longer required to perform radiography, and the resulting VE as a QC check on radiography, under methods in the HWFP. Therefore, the requirement to statistically select containers for VE is no longer applicable. The Permittees will, subject to NMED inspection, examine a statistically representative subpopulation of the waste by means of radiography, VE, or examination of VE records under the rigor of Permit Attachment B7.</p> <p><u>Removed language regarding control charting because all waste must undergo statistical selection and sampling when NMED has not determined that AK is sufficient.</u></p>
I.C.1.d.	<p>the Permittees shall require that all <u>TRU mixed</u> waste <u>analysis</u> characterization activities used by generator/storage sites <u>and Permittee approved laboratories</u> comply with the appropriate quality assurance objectives (QAOs)...for Waste <u>Analysis</u> Characterization...</p>	<p>See #1 above for the explanation for deleting "characterization" and replacing with "waste analysis."</p> <p>Change stipulates that Permittee approved laboratories must also comply with QAOS. The justification for this change is provided in Section 1.2.1. of the revised PMR.</p>

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II.C.1.e.	Acceptable Knowledge - the Permittees shall require generator/storage sites to assemble acceptable knowledge documentation and confirm acceptable knowledge determinations, and shall audit (as specified in Permit Condition II.C.2) all aspects of the acceptable knowledge waste characterization <u>analysis</u> process as specified in Permit Attachment B4 (TRU Mixed Waste Characterization <u>Analysis</u> using Acceptable Knowledge).	Removed the mandated requirement that generator/storage sites confirm AK through radiography, VE, HSGSA or SSA. Under the revised PMR, generator/storage sites will perform representative HSGSA and SSA as part of waste analysis to resolve assignment of EPA HWNs when NMED has not approved an AK Sufficiency Determination or when the Permittees have not requested approval of an AK Sufficiency Determination. The revised PMR requires compilation of a complete AK record, including 100 percent examination through radiography or VE when the AK does not clearly substantiate the absence of prohibited items. The Permittees will examine a representative subpopulation of waste prior to storage or disposal using radiography or VE as described in Permit Attachment B7. The justification for this change is provided in Sections 1.2.1 and 1.2.2. of the revised PMR and Appendix I of the Section 311 NOD Comment/Response Matrix. See #1 above for the explanation for deleting “characterization” and replacing with “analysis.”
II.C.1.f.	<u>Quality assurance</u> - the Permittees shall require each generator/storage site <u>and Permittee approved laboratory</u> to develop and implement a quality assurance project plan (<u>QAPjP</u>) which demonstrates compliance...	Change is necessary to assure that waste analysis information obtained from Permittee approved laboratories is gathered under an established QAPjP. The justification for this change is provided in Section 1.2.1. of the revised PMR.
II.C.1.g.	...the Permittees shall provide the Secretary access to the WWIS database as necessary to determine compliance with the WAP. The WWIS shall meet all requirements presented in <u>Permit Attachment B7, Section B7-1a(2)</u> 4b(1)(i) of the WAP, Permit Attachment B, prior to <u>storage or disposal</u> acceptance of TRU mixed waste <u>at the WIPP</u> . The Secretary's access to the WWIS shall be direct, read-only (via modem or Internet) to all query and reporting functions of the <u>Characterization</u> , Certification, Shipping, and Inventory modules of the WWIS database.	The Permittees have created a new Permit Attachment B7 to stipulate Permittee Level Waste Approval and Acceptance Processes. The Permittees will be required to complete the waste analysis processes which culminate in a determination that the WAP, including the TSDF-WAC, requirements have been satisfied and the waste can be stored or disposed at the WIPP. The justification for this change is provided in Section 1.2.2 of the revised PMR.

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I.C.1.h.	<u>Permittee Level TRU Mixed Waste Approval and Acceptance Processes - The Permittees shall conduct TRU mixed waste stream screening, verification, and examination as specified in Permit Attachment B7 (Permittee Level TRU Mixed Waste Approval and Acceptance Processes) prior to storage or disposal at the WIPP. These processes ensure that the TRU mixed waste stored and disposed at the WIPP contains no ignitable, corrosive or reactive waste and that the assigned Environmental Protection Agency hazardous waste numbers are permitted as specified in Permit Condition II.C.4.</u>	The new Permit Condition stipulates waste analysis actions required by the Permittees and provides reference to the new Permit Attachment B7 which details the associated processes. The justification for this change is provided in Section 1.2.2 of the revised PMR.
I.C.2.	The Permittees shall not manage, store, or dispose TRU mixed waste at WIPP from a generator/storage site until the following conditions have been met as necessary for the Secretary to determine that the <u>applicable waste analysis</u> characterization requirements of Permit Condition <u>II.C.1</u> have been implemented:	Change is necessary to focus on those aspects of the Permittees' Waste Analysis Plan that are performed by the generator/storage sites or Permittee approved laboratories which are subject to audit by the Permittees.
I.C.2.a.	the Permittees shall demonstrate to the Secretary that the generator/storage sites <u>and Permittee approved laboratories (when applicable)</u> have implemented and comply with applicable requirements of the WAP by conducting an audits of the generator/storage sites as specified in Permit Attachment B7, Section B-4b(1)(iii) <u>B7-1a(1)</u> , and ...	Included requirement that Permittees conduct audits of Permittee approved laboratories. The justification for this change is provided in Section 1.2.1. of the revised PMR.
I.C.2.b.	the Secretary may observe such audits as necessary to validate the implementation of and compliance with applicable WAP requirements at each generator/storage site <u>and Permittee approved laboratory</u> .	Included allowance that Secretary may observe audits of Permittee approved laboratories. The justification for this change is provided in Section 1.2.1. of the revised PMR.
I.C.2.d.	the Secretary shall approve the Permittees' final audit report by written notification to the Permittees that the <u>applicable</u> characterization requirements of the WAP at a generator/storage site <u>and Permittee approved laboratory (when applicable)</u> have been implemented.	Included requirement that Secretary also approves final audit reports for Permittee approved laboratories. The justifications for this change is provided in Section 1.2.1. and 1.2.3. of the revised PMR.

Section	Change	Explanation of Change
II.C.3.	The Permittees shall not accept TRU mixed wastes at WIPP for storage; management ; or disposal which fail to meet the treatment, storage, and disposal facility waste acceptance criteria as presented in Permit Conditions II.C.3.a through H.C.3.i <u>II.C.3.j</u> of this Permit.	See #1 for explanation related to removing the prohibition on management of waste which fails to meet the TSDF-WAC. Change in reference is needed to reflect deletion of two criteria.
II.C.3.a. - g, i and j	...not acceptable <u>for storage or disposal</u> at <u>the</u> WIPP	Change is necessary to reflect that waste which fails to meet the TSDF-WAC may be found during waste screening, verification or examination at the WIPP.
II.C.3.h.	Remote-handled transuranic waste - remote-handled (RH) TRU mixed waste (waste with a surface dose rate of 200 millirem per hour or greater) is not acceptable at WIPP.	Deleting the prohibition. RH TRU mixed waste management is a critical element of the "integrated" PMR. The justification for this change is provided in Section 1.1. of the revised PMR.
II.C.3.i.	H.C.3.i — Excluded waste	Corrected formatting, II.C.3.i becomes II.C.3.h.
Table II.C.3.h	Table II.C.3.hi.	Editorial
II.C.3.j.	Headspace gas sampling and analysis any waste container that does not have VOC concentration values reported for the headspace is not acceptable at WIPP.	Removed prohibition on containers that do not have VOC concentration values, conducting room-based monitoring negates this need. The justification for this change is provided in Section 1.3. of the revised PMR.
II.C.3.i	any waste container <u>from a waste stream (or waste stream lot)</u> which has not undergone either radiographic or visual examination <u>of a statistically representative subpopulation of the waste as described in Permit Attachment B7, Section B7-1b.</u> is not acceptable <u>for storage or disposal</u> at <u>the</u> WIPP.	Corrected formatting, II.C.3.k becomes II.C.3.i. Revised the requirement to reflect Permittee examination of containers from each waste stream prior to storage or disposal at the WIPP. The justification for this change is provided in Section 1.2.2 of the revised PMR.
II.C.3.j	II.C.3.i	Corrected formatting, II.C.3.l. becomes II.C.3.j..

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I.C.5.	Any WIPP-generated waste derived from adequately analyzed <u>characterized</u> , WIPP-accepted TRU mixed waste generated at an off-site facility (<i>derived waste</i>) does not need to be additionally analyzed <u>characterized</u> for hazardous waste components if the Permittees use the generator's <u>waste analysis</u> characterization data and knowledge of the processes at the WIPP facility to identify and analyze <u>characterize</u> derived waste.	Reflects changes needed to be consistent with regulatory language found at 20.4.1.500 (incorporating 40 CFR 264.13).
I.G.	The Permittees shall not manage , store or dispose <u>of</u> ignitable, corrosive, reactive, or incompatible wastes,	Refer to #1.
Permit Attachment	<p>Permit Attachment B1 (as modified from WIPP RCRA Part B Permit Application, "Waste Characterization <u>Analysis</u> Sampling Methods" - Appendix C4).</p> <p>Permit Attachment B2 (as modified from WIPP RCRA Part B Permit Application, "Statistical Methods Used in Sampling and Analysis" - Appendix C6).</p> <p>Permit Attachment B3 (as modified from WIPP RCRA Part B Permit Application, "Quality Assurance Objectives and Data Validation Techniques for Waste Characterization Sampling and Analytical Methods <u>Analysis</u>" - Appendix C8).</p> <p>Permit Attachment B4 (as modified from WIPP RCRA Part B Permit Application, "TRU Waste Characterization <u>Analysis</u> Using Acceptable Knowledge" - Appendix C9).</p>	Editorial.

Section	Change	Explanation of Change
Permit Attachments	<u>Permit Attachment B7 (as first included from the Class 3 permit modification addressing Section 311 Pub. L. 108-137, Section 310 Pub. L. 108-447, and Remote Handled Waste).</u>	Reflects the origin (source document) of the new Permit Attachment B7.